

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Paul C. Goodley et al.

Serial No.: TBA

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: MICRO MATRIX ION GENERATOR FORM ANALYZERS

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a \$180.00 processing fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 50-1078 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (\*) were disclosed in Patent Application No. 09/505,910 filed 02/17/2000, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. ER092277150US

Date of Deposit Aug. 20, 2003

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By Wilfred F. DesRosiers

Typed Name: Wilfred F. DesRosiers

Respectfully submitted,

Paul C. Goodley et al.

By Wilfred F. DesRosiers

Wilfred F. DesRosiers

Attorney/Agent for Applicant(s)

Reg. No. 25,531

Date: Aug. 20, 2003

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	10031215	
	APPLICANT Paul C. Goodley et al.	
	FILING DATE	GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
	*	4,748,043	05-1988	Seaver et al.
	*	4,861,988	08-29-1989	Henion et al.
	*	4,926,056	05-15-1990	Sprindt
	*	5,495,108	02-27-1996	Apffel, Jr., et al.
	*	5,504,329	04-02-1996	Mann et al.
	*	5,559,326	09-24-1996	Goodley et al.
	*	5,752,663	05-19-1998	Fischer et al.
	*	5,868,322	02-09-1999	Loucks, Jr., et al.
	*	6,207,954	03-2001	Andrien, Jr., et al.
	*	6,326,616	12-2001	Andrien, Jr., et al.

## FOREIGN PATENT DOCUMENTS

	*	DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO
	*	WO 98/35376	08-13-1998	Yu-Chong Tai et al.		

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	*	Larry Licklider, Xuan-Qi Wang, Amish Desai, Yu-Chong Tai and Terry D. Lee, A Micromachined Chip-Based Electrospray Source for Mass Spectrometry, Analytical Chemistry, Vol. 72, No. 2, 367-375, January 15, 2000
	*	Longfei Jlang and Mehdi Molni, Development of Multi-ESI-Sprayer, Multi-Atmospheric-Pressure-Inlet Mass Spectrometry and Its Application to Accurate Mass Measurement Using Time-Of-Flight Mass Spectrometry, Analytical Chemistry, Vol. 72, No. 1, 20, January 1, 2000
	*	Julia M. Lazar, Roswitha S. Ramsey, Steven Sundberg and J. Michael Ramsey, Subattomole-Sensitivity Microchip Nanoelectrospray Source with Time-Of-Flight Mass Spectrometry Detection, Analytical Chemistry, Vol. 71 No. 17, 3628-3629, September 1, 1999

EXAMINER	DATE CONSIDERED
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\* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)

FORM PTO-1449

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## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
	*	6,350,617	02-2002	Hindsgaul et al.

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	*	Kostianer and Bruins, The Use of Multiple Sprayer System in the Electrospray Mass Spectrometry. 41st ASMS Conference on Mass Spectrometry, 1993, pp. 744a-744b.

EXAMINER

DATE CONSIDERED

\* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)